

STATE OF NEW HAMPSHIRE
DEPARTMENT OF ENVIRONMENTAL SERVICES
AIR RESOURCES DIVISION
CONCORD, NEW HAMPSHIRE

**NOTICE OF TEMPORARY PERMIT AND NON-ATTAINMENT NEW SOURCE
REVIEW (NSR) PERMIT REVIEW, PUBLIC HEARING, AND COMMENT PERIOD**

Pursuant to the New Hampshire Code of Administrative Rules, Env-A 618.07 and Env-A 621, notice is hereby given that the Director of the New Hampshire Department of Environmental Services, Air Resources Division (Director), has received an application for a Temporary Permit and NSR Permit from, and based on the information received to date, intends to **issue such Temporary Permit and NSR Permit to:**

Concord Steam Corporation
P.O. Box 2520
Concord, N.H. 03302-2520

Located at:

Concord Steam Corporation (Concord Steam)
291 South Main Street
Concord, N.H. 03301

For a:

19.5 Megawatt Biomass-Fired Electric Generating Facility

1. The purpose of this permit is to allow Concord Steam to construct a biomass-fired electric generating facility at the above address. In addition, this facility supplies steam to the City of Concord steam heating district. This will replace the existing Concord Steam facility located at 105 ½ Pleasant Street in Concord, New Hampshire. Significant emissions units include a biomass-fired boiler rated at 305 million British Thermal Units per hour (MMBtu/hr), 2 natural-gas fired auxiliary boilers each rated at 76.8 MMBtu/hr, a diesel emergency generator rated at 5.6 MMBtu/hr, a diesel emergency generator rated at 11.6 MMBtu/hr, and a cooling pond.
2. Concord Steam is required to obtain nitrogen oxides (NOx) emission offsets in the ratio of 1.2:1, or approximately 115 tons of offsets. Approximately 65 tons of these NOx emission offsets will be obtained in accordance with the N.H. Code of Administrative Rules, Chapter Env-A 3000: Emissions Reductions Credits Trading Program. 50 tons of NOx emission offsets generated from closing the existing Concord Steam facility will fulfill the remaining balance.
3. The emissions resulting from the installation of the Proposed Facility are listed in the table set forth below:

Pollutant Emissions (Tons per Consecutive 12-Month Period)					
	Nitrogen Oxides (NO_x)	Volatile Organic Compounds (VOC)	Particulate Matter (TSP/PM-10)	Sulfur Dioxide (SO₂)	Carbon Monoxide (CO)
Combined Emissions from All Devices at Facility	95.93	12.48	41.65	34.15	246.51

4. The determination of Lowest Achievable Emission Rate (LAER) for NO_x, including the type of equipment and the prescribed emission limit is set forth in the table below:

Table of Emission Limitations (with Averaging Time) and Control Technology (LAER)			
Pollutant	NO_x Emission Limitation	Technology LAER	Averaging Time
Biomass Boiler	0.065 lb/MMBtu	Operation of Selective Catalytic Reduction (SCR) System LAER	30-day rolling average
Auxiliary Boilers #1 and #2	0.049 lb/MMBtu (Natural Gas Only) (limit for each boiler)	Low NO _x Burner, Flue Gas Recirculation, and Operating Limit of < 700 Hours Operation per Consecutive 12-Month Period for Each Unit LAER	24 hour calendar day average
Emergency Generators #1 and #2	1.98 lb/MMBtu (Diesel Fuel) (limit for each generator)	Good Combustion Practices and Operating Limit of < 500 Hours Operation per Consecutive 12-Month Period for Each Unit LAER	N/A

5. An ambient air quality impact analysis has determined that the facility's air emissions will not cause a significant impact on air quality and does not violate any state or federal air quality standards. Details regarding the ambient air quality analysis are contained in the Statement of Basis.

All information, to the extent permitted by N.H. RSA 91-A and RSA 125-C:6, VII, submitted by the applicant; the Department's analysis of the effect of the proposed facility on air quality; the Statement of Basis; and all other materials, if any, considered in making the Statement of Basis are available for inspection with the Director, New Hampshire Department of Environmental Services, Air Resources Division, located at 29 Hazen Drive, P.O. Box 95,

Concord, N.H. 03302-0095, (603) 271-1370. Information may be reviewed at the Department's office during working hours from 8 a.m. to 4 p.m., Monday through Friday. Additional information may also be obtained by contacting **Michele Andy** at the above address and phone number. The application, draft permit, Statement of Basis, Statement of Basis Permit Support Document, and NOx Emissions Offsets Calculations are also available for review at the Concord City Hall, 41 Green Street, Concord, N.H. during the hours of 8 a.m. to 4:30 p.m., Monday through Friday.

Requests for a public hearing and/or written comments filed with the Director in accordance with Env-A 621.06 and received no later than **Monday, February 16, 2009**, shall be considered by the Director in making a final decision.

Robert R. Scott
Director
Air Resources Division